



RECYCLING OF SEWAGE WATER OF PAAVAI INSTITUTIONS FOR GARDENING AND AGRICULTURE



A PROJECT REPORT

Submitted by

SRIANGALAPARAMESHWARI.S, (16201044)

MONISHA.D, (16201026)

ASHIK RAJ, (16201011)

PRASATH.R. (16201032)

*in partial fulfilment for the award of the degree
of*

BACHELOR OF TECHNOLOGY

IN

DEPARTMENT OF CHEMICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NAMAKKAL : 637018

SEPTEMBER 2020



**ANALYSIS OF CUSTARD APPLE SEED AS A
POTENTIAL COAGULANT FOR WASTE
WATER TREATMENT**



A PROJECT REPORT

Submitted by

VIVEK.R (16201062)

NAMEER.A (16201028)

THIRUMALAIVASAN.G (16201055)

KISHORE KUMAR.D (16201022)

In partial fulfilment for the award of the degree of

BACHELOR OF TECHNOLOGY

In

CHEMICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MARCH 2020



***IN -VITRO ANTI-DIABETIC ACTIVITY AND
GC-MS ANALYSIS OF *PHYALLANTHUS*
NIRURI EXTRACTS***



A PROJECT REPORT

Submitted by

AVINASH.R (16201012)

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TAMIL ELAKKIYA.M (16201053)

SRIHARI .C (16201043)

***In partial fulfilment of the requirements for the award of the
degree of***

BACHELOR OF TECHNOLOGY

In

CHEMICAL ENGINEERING

Department of Chemical Engineering

Paavai Engineering College (Autonomous)

Paavai Nagar, NH-44

Namakkal, Tamil Nadu-635018

MARCH 2020



**DEVELOPMENT OF CACTUS-
MUCILAGE (*OPUNTIA FICUS INDICA*)
EDIBLE COATING TO EXTEND THE
SHELF LIFE OF DAUCUS CAROTA**



A PROJECT REPORT

Submitted by

VINOTH.G	(16201060)
IRFAN HABEEB.K	(16201018)
MANIYARASU.M	(16201024)
GODSON PATHROSE	(16201502)

In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

In

CHEMICAL ENGINEERING

**PAAVAI ENGINEERING COLLEGE,
NAMAKKAL**

(AUTONOMOUS)

MARCH 2020

**REMOVAL OF HEAVY METALS FROM
TANNERY EFFLUENT USING ACACIA NILOTICA
AND SOLANUM SURATTENSE LEAVES**

A PROJECT REPORT

Submitted

By

AKHIL REJI (16201007)

AKSHAY PRABHAKARAN (16201008)

SARATH S.L (16201037)

TAMIL SELVAN K (16201054)

*In partial fulfillment of the requirements for the award of
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CHEMICAL ENGINEERING

**Department of Chemical Engineering
Paavai Engineering College (Autonomous)
Paavai Nagar, NH-44
Namakkal, Tamilnadu-637018**

MARCH 2020



**ISOLATION OF CHITIN FROM SHELL WASTE
OF *Scylla serrata* AND FORMULATION OF
CHITIN DERIVATIVE (CHITOSAN)**



PROJECT REPORT

Submitted

By

ADNAN P (16201005)

S.PARANDHAMAN (16201031)

SREERAG MANIKANDAN (16201042)

A.SURESH BABU (16201047)

*In partial fulfillment of the requirements for the award of
the degree of*

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In

CHEMICAL ENGINEERING

**Department of Chemical Engineering
Paavai Engineering College (Autonomous)
Paavai Nagar, NH-44
Namakkal, Tamilnadu-637018**

MARCH 2020



BIOETHANOL PRODUCTION FROM COCONUT HUSK FIBER USING FERMENTATION METHOD



A PROJECT REPORT

Submitted by

SWATHI.G (16201052)

ELAMATHI.A (16201016)

SEDHUBATHI.R (16201041)

SURESH.S (16201048)

in a partial fulfilment for the award of the degree

of

BACHELOR OF TECHNOLOGY

In

CHEMICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL.

(AUTONOMOUS)

MAY 2020



**AUTOMATED ADSORPTION OF CHEMICAL
SPILL(PHENOL) USING ACTIVATED CARBON
BY FABRICATION OF CHEMBOT**



A PROJECT REPORT

Submitted by

KAVI NANDHINI.M (16201021)

YUVENDHRAN.K (16201063)

SATHISHKUMAR.V (16201040)

SABARI.P (16201035)

In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

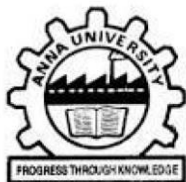
In

CHEMICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MARCH 2020



**COAGULATION BASED CHEMICAL
TREATMENT OF INDUSTRIAL AND
DOMESTIC EFFLUENTS**



A PROJECT REPORT

Submitted by

PURUSHOTHAMAN.V (16201033)

AJITH.M (16201006)

VINOTHKUMAR.R (16201061)

VELAN.V (16201056)

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BACHELOR OF TECHNOLOGY

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CHEMICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MARCH 2020



HIGH TRANSPARENT KERATIN-BASED BIOPLASTICS WITH ANTI BATERIAL ACTIVITY FROM WASTE HUMAN HAIR



A PROJECT REPORT

*Submitted
By*

DHIVAKAR B.K (16201015)

KAILASH V (16201019)

NABEEL V (16201027)

VIGNESH P (16201059)

*In partial fulfillment of the requirements for the award of
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Paavai Nagar, NH-44
Namakkal, Tamilnadu-637018**

MARCH 2020



SYNTHESIS AND CHARACTERIZATION OF MESOPOROUS SILICA FROM PALM SHELL KERNEL ASH AND USED IT FOR EFFECTIVE DRUG DELIVERY



A PROJECT REPORT

*Submitted
By*

ALEX SANTHOSH	(16201009)
MANIBHARATHI V	(16201023)
VENKATESH S	(16201057)
VENKATESH J	(16201058)

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In

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**Department of Chemical Engineering
Paavai Engineering College (Autonomous)
Paavai Nagar, NH-44
Namakkal, Tamilnadu-637018**

MARCH 2020



***IN-VITRO IMMUNOMODULATORY
ACTIVITY AND GC-MS ANALYSIS OF
CATHARANTHUS ROSEUS EXTRACTS***



A PROJECT REPORT

Submitted by

SRIRAM.A (16201045)
BALAMURUGAN.S (16201013)
SATHISHKUMAR.G (16201039)
NITHISHKUMAR.D (16201030)

*In partial fulfilment of the requirements for the award of the
degree of*

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In

CHEMICAL ENGINEERING

Department of Chemical Engineering

Paavai Engineering College (Autonomous)

Paavai Nagar, NH-44

Namakkal, Tamil Nadu-635018

MARCH 2020



ADSORPTION OF CHROMIUM (Cr) FROM TANNERY WASTE WATER USING BIOADSORBENT AS VETIVERIA ZIZANOIDES



A PROJECT REPORT

Submitted by

KAMAL RAJ.B (16201020)

SURYA.K (16201019)

CHANDINI.A (16201014)

POOVARASAN.R (162010301)

in partial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY

In

CHEMICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MARCH 2020



**EXTRACTION AND
CHARACTERIZATION OF PECTIN
FROM *citrus medica***



A PROJECT REPORT

Submitted by

SASIKUMAR.V (16201038)

MOHAMED ALI.J (16201025)

SUJITH.S (16201046)

ABIRAMI.K (16201002)

In partial ionourable for the award of the degree of

BACHELOR OF TECHNOLOGY

In

CHEMICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MARCH 2020



***Insilico* AND GC-MS ANALYSIS
OF *CYMBOPOGON FLEXUOSUS*
IN ANTI-INFLAMMATORY
ACTIVITY**



A PROJECT REPORT

Submitted by

ELAVARASI C (16201017)

ABUDHAGEER I (16201004)

ABISHEK B K (16201003)

SURYA M (16201050)

in a partial fulfilment for the award of degree

of

BACHELOR OF TECHNOLOGY

in

CHEMICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL.

(AUTONOMOUS)

APRIL 2020



Government of India
Bhabha Atomic Research Centre
Chemical Engineering Division

Ref: BARC/ChED/PES/SS/2020/103

Date: 7th Feb 2020


Project Work Certificate

Name of the student	Mr. Poovaragavan Deepakraj K
Name of the institute	Paavai Engineering College
Year and discipline	3 rd Year B.Tech Chemical Engineering
Place of the project	Process Engineering Section Chemical Engineering Division Bhabha Atomic Research Centre Trombay, Mumbai – 400 085
Date of commencement	20 th December, 2019
Date of completion	7 th February, 2020
Brief details of the project	Activities carried out during project work: <ul style="list-style-type: none">• Image analysis of vortex shape in magnetic vortex reactor for different operating conditions• ANN based prediction of vortex shape in magnetic vortex reactor• Hydrodynamic studies on solid slurry in magnetic vortex reactor
Valuation of student's performance	Excellent/Very Good/Good/Average/Poor
Remarks on the students personal conduct	Hardworking, sincere and regular



(Sourav Sarkar)

Scientific Officer-D, Project Guide
PES, ChED, BARC

 7/2/2020

(Dr. K.K. Singh)
Scientific Officer-G, PES,
ChED, BARC

Scientific Officer (G2)
Chemical Engineering Division
Bhabha Atomic Research Centre
Government of India
Trombay - Mumbai - 400 085.

Date: 17th May 2019

CERTIFICATE

This is to certify that **Mr. S. Dinesh** Second Year, **B.Tech –Chemical Engineering** student of Paavai Engineering College at Namakkal has undergone In-plant Training in **M/s. - Southern Petrochemical Industries Corporation Limited**, SPIC Nagar, Tuticorin.

Internship Training details are as furnished below:

- | | |
|-------------------------------------|---|
| 1) Type of Training Imparted | : IN-PLANT TRAINING |
| 2) Period of Institutional Training | : 13th May 2019 to 17th May 2019 |
| 3) Allotment of Department | : DAP |
| 4) Conduct & Character | : GOOD |
| 5) Performance during Training | : GOOD |
| 6) Attendance during Training | : REGULAR |

P. Rajendran



P.Rajendran
Deputy Manager – Training
Southern Petrochemical Industries Corporation Limited

Southern Petrochemical Industries Corporation Limited
(CIN: L11101TN1969PLC005778)

Factory: SPIC Nagar, Muthiahpuram Post, Tuticorin 628 005 Tamilnadu, India
Phone : +91 (0461) 2355401 | Fax: +91 (461) 2355588 | Email: spiccorp@spic.co.in | www.spic.in

CERTIFICATE

This is to certify that **Mr. M.Abinesh** Second Year, **B.Tech –Chemical Engineering** student of Paavai Engineering College at Namakkal has undergone In-plant Training in **M/s. - Southern Petrochemical Industries Corporation Limited**.
SPIC Nagar, Tuticorin.

Internship Training details are as furnished below:

- | | |
|-------------------------------------|--|
| 1) Type of Training Imparted | : IN-PLANT TRAINING |
| 2) Period of Institutional Training | : 13 th May 2019 to 17 th May 2019 |
| 3) Allotment of Department | : AMMONIA |
| 4) Conduct & Character | : GOOD |
| 5) Performance during Training | : GOOD |
| 6) Attendance during Training | : REGULAR |

P. Rajendran



P.Rajendran

Deputy Manager – Training

Southern Petrochemical Industries Corporation Limited

Southern Petrochemical Industries Corporation Limited

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CERTIFICATE

This is to certify that **Mr. M. Gokulakrishnan** Second Year, **B.Tech – Chemical Engineering** student of Paavai Engineering College at Namakkal has undergone In-plant Training in **M/s. - Southern Petrochemical Industries Corporation Limited**. SPIC Nagar, Tuticorin.

Internship Training details are as furnished below:

- | | |
|-------------------------------------|---|
| 1) Type of Training Imparted | : IN-PLANT TRAINING |
| 2) Period of Institutional Training | : 13th May 2019 to 17th May 2019 |
| 3) Allotment of Department | : UREA |
| 4) Conduct & Character | : GOOD |
| 5) Performance during Training | : GOOD |
| 6) Attendance during Training | : REGULAR |

P. Rajendran



P. Rajendran

Deputy Manager – Training
Southern Petrochemical Industries Corporation Limited

Southern Petrochemical Industries Corporation Limited

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CERTIFICATE

This is to certify that **Mr. R. Elayaraja** Second Year, **B.Tech –Chemical Engineering** student of Paavai Engineering College at Namakkal has undergone In-plant Training in M/s. - **Southern Petrochemical Industries Corporation Limited**.
SPIC Nagar, Tuticorin.

Internship Training details are as furnished below:

- | | |
|-------------------------------------|---|
| 1) Type of Training Imparted | : IN-PLANT TRAINING |
| 2) Period of Institutional Training | : 13th May 2019 to 17th May 2019 |
| 3) Allotment of Department | : OFFSITES |
| 4) Conduct & Character | : GOOD |
| 5) Performance during Training | : GOOD |
| 6) Attendance during Training | : REGULAR |

P. Rajendran



P.Rajendran

Deputy Manager – Training

Southern Petrochemical Industries Corporation Limited

Southern Petrochemical Industries Corporation Limited

(CIN: L11101TN1969PLC005778)

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CERTIFICATE

This is to certify that **Mr. S. Gowthamprabhakaran** Second Year, **B.Tech – Chemical Engineering** student of Paavai Engineering College at Namakkal has undergone In-plant Training in **M/s. - Southern Petrochemical Industries Corporation Limited**. SPIC Nagar, Tuticorin.

Internship Training details are as furnished below:

- | | |
|-------------------------------------|---|
| 1) Type of Training Imparted | : IN-PLANT TRAINING |
| 2) Period of Institutional Training | : 13th May 2019 to 17th May 2019 |
| 3) Allotment of Department | : ALF3 |
| 4) Conduct & Character | : GOOD |
| 5) Performance during Training | : GOOD |
| 6) Attendance during Training | : REGULAR |

P. Rajendran

P. Rajendran

Deputy Manager – Training

Southern Petrochemical Industries Corporation Limited



Southern Petrochemical Industries Corporation Limited

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प्रशिक्षण केन्द्र / TRAINING CENTRE

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उद्योगमंडल / Udyogamandal - 683 501

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ई-मेल / Email : mtrg@factltd.com, mdc@factltd.com

DGM(Trg&Dev)-CERT-IP/531/2019-20

10.06.2019

CERTIFICATE

Certified that **Ms. MEGHA KURIAKOSE**, student of **B.Tech CHEMICAL ENGINEERING, PAAVAI ENGINEERING COLLEGE, NAMAKKAL**, has successfully completed her **Internship** in **FACT Ltd., Udyogamandal Complex**, during the period from **3rd June 2019 to 8th June 2019**.



K B JAYARAJ,
DGM (Trg & Dev),
FACT Training Centre,
Udyogamandal.



For FACT- UD QMS AND EMS

For FACT- CD EMS

For FEDO QMS

For FEW QMS



FOR FACT- CD QMS

पंजीकृत कार्यालय : एलूर, उद्योगमंडल
Regd. Office: Eloor, Udyogamandal



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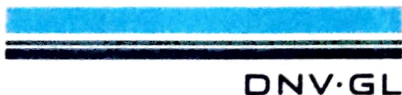
DGM(Trg&Dev)-CERT-IP/532/2019-20

10.06.2019

CERTIFICATE

Certified that Ms. ANUMOL POULOSE, student of B.Tech
CHEMICAL ENGINEERING, PAAVAI ENGINEERING
COLLEGE, NAMAKKAL, has successfully completed her
Internship in FACT Ltd., Udyogamandal Complex, during the period
from 3rd June 2019 to 8th June 2019.

K B JAYARAJ,
DGM (Trg & Dev),
FACT Training Centre,
Udyogamandal.



For FACT- UD QMS AND EMS
For FACT- CD EMS
For FEDO QMS
For FEW QMS



FOR FACT- CD QMS

पंजीकृत कार्यालय : एलूर, उद्योगमंडल
Regd. Office: Eloor, Udyogamandal

प्रशिक्षण केन्द्र / TRAINING CENTRE

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DGM (Trg & Dev)-CERT-IP/1043/2019-20

22.07.2019

CERTIFICATE

Certified that **Mr. JIFIN JOY**, student of **B.Tech CHEMICAL ENGINEERING, PAAVAI ENGINEERING COLLEGE, NAMAKKAL**, has successfully completed his **Internship** in **FACT Ltd., Cochin Division**, during the period **from 16th July 2019 to 22nd July 2019**.



K B JAYARAJ,
DGM (Trg & Dev),
FACT Training & Development Centre,
Udyogamandal



For FACT- UD QMS AND EMS
For FACT- CD EMS
For FEDO QMS
For FEW QMS



FOR FACT- CD QMS

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Regd. Office: Eloor, Udyogamandal

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DGM (Trg & Dev)-CERT-IP/1045/2019-20

22.07.2019

CERTIFICATE

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K B JAYARAJ,
DGM (Trg & Dev),
FACT Training & Development Centre,
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**DNV-GL**

For FACT- UD QMS AND EMS

For FACT- CD EMS

For FEDO QMS

For FEW QMS



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DGM (Trg & Dev)-CERT-IP/1040/2019-20

22.07.2019

CERTIFICATE

Certified that **Mr. N P SHUHAIB AKTHAR**, student of **B.Tech CHEMICAL ENGINEERING, PAAVAI ENGINEERING COLLEGE, NAMAKKAL**, has successfully completed his **Internship** in FACT Ltd., Cochin Division, during the period from **16th July 2019 to 22nd July 2019**.



K B JAYARAJ,
DGM (Trg & Dev),
FACT Training & Development Centre,
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For FACT- UD QMS AND EMS
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For FEW QMS



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पंजीकृत कार्यालय : एलूर, उद्योगमंडल
Regd. Office: Eloor, Udyogamandal

**FACT**

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22.07.2019

CERTIFICATE

Certified that **Mr. P S SAYANTH**, student of **B.Tech CHEMICAL ENGINEERING, PAAVAI ENGINEERING COLLEGE, NAMAKKAL**, has successfully completed his **Internship** in **FACT Ltd., Cochin Division**, during the period **from 16th July 2019 to 22nd July 2019**.

K B JAYARAJ,
DGM (Trg & Dev),
FACT Training & Development Centre,
Udyogamandal



For FACT- UD QMS AND EMS

For FACT- CD EMS

For FEDO QMS

For FEW QMS



FOR FACT- CD QMS

पंजीकृत कार्यालय : एलूर, उद्योगमंडल
Regd. Office: Eloor, Udyogamandal



CERTIFICATE OF TRAINING

Ethical Hacking

Vignesh J from **Paavai Engineering College(Autonomous)** has successfully undergone a six weeks online summer training on Ethical Hacking. In the training, Vignesh learned Basics of Information Security, Computer Networking and Web Development, Information Gathering and VAPT of some important vulnerabilities in the OWASP top 10, Automating VAPT, and Documenting and Reporting Vulnerabilities. The training lasted for six weeks from 1st June, 2019 to 13th July, 2019.

In the final assessment at the completion of the training program, Vignesh scored 44% marks.

We wish Vignesh all the best for future endeavours.

A handwritten signature in red ink, appearing to read "Sarvesh", with a long horizontal stroke extending to the right.

Sarvesh Agrawal

Founder & CEO

Date of certification: 2019-07-12

Certificate Number : 41ED6AE5-C7F1-CEB1-539E-D2219017EAFB

For certificate authentication please visit https://trainings.internshala.com/verify_certificate



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उद्योगमंडल / Udyogamandal - 683 501

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DGM (Trg & Dev)-CERT-IP/1041/2019-20

22.07.2019

CERTIFICATE

Certified that **Mr. A MUHAMMED RAFNASH**, student of **B.Tech CHEMICAL ENGINEERING, PAAVAI ENGINEERING COLLEGE, NAMAKKAL**, has successfully completed his **Internship** in **FACT Ltd., Cochin Division**, during the period from **16th July 2019 to 22nd July 2019**.

K B JAYARAJ,
DGM (Trg & Dev),
FACT Training & Development Centre,
Udyogamandal



For FACT- UD QMS AND EMS
For FACT- CD EMS
For FEDO QMS
For FEW QMS



FOR FACT- CD QMS

पंजीकृत कार्यालय : एलूर, उद्योगमंडल
Regd. Office: Eloor, Udyogamandal



A.1301, The Madurai District Co-operative Milk Producer's Union Limited

Sivagangai Main Road, Sathamangalam, Madurai - 625 020.

District Collector / Special Officer.

Tmt.R. Janani Soundarya,M.A.,MBA.,
General Manager.

Ref.No.1000/Pers.2/2010

Date: 04.12.2019

CERTIFICATE **TO WHOM SO EVER IT MAY CONCERN.**

This is to certify that **Ms. M. Divya**, doing B.Tech., IIIrd Year Chemical Engineering in Paavai Engineering College, Namakkal her undergone Inplant Training Program for the period from **(21.11.2019 to 04.12.2019)** in Dairy Section of our Organization. We found she conduct is good during the tenure.




Manager (Admin)



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 13238

04/12/2019

Certificate

Certified that **Shri KARTHIKEYAN R, B.Tech(CHEMICAL), III**
year student of **PAAVAI ENGINEERING COLLEGE, PACHAL**
has undergone In-plant Training in the area of at Salem Steel
Plant during the period from **28/11/2019** to **04/12/2019**.



[Handwritten Signature] 04/12/19

R ULAGANATHAN
DGM(HRD)

आर. उलगानाथन
R. Ulaganathan
उप महाप्रबंधक (मानव संसाधन विकास)
D G M (HRD)



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 13237

04/12/2019

Certificate

Certified that **Shri THIRUMURUGAN R, B.Tech(CHEMICAL), III**
year student of PAAVAI ENGINEERING COLLEGE, PACHAL
has undergone In-plant Training in the area of at Salem Steel
Plant during the period from **28/11/2019** to **04/12/2019**.





R ULAGANATHAN
DGM(HRD)

आर. उलगानाथन
R. Ulaganathan
उप महाप्रबंधक (मानव संसाधन विकास)
D G M (HRD)



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 13239

04/12/2019

Certificate

Certified that **Shri GOKULA KRISHNAN P V,**
B.Tech(CHEMICAL), III year student of PAAVAI ENGINEERING
COLLEGE, PACHAL has undergone In-plant Training in the area
of at Salem Steel Plant during the period from **28/11/2019** to
04/12/2019.



[Handwritten signature] 04/12/19

R ULAGANATHAN
DGM(HRD)

आर. उलगानाथन
R. Ulaganathan
उप महाप्रबंधक (मानव संसाधन विकास)
D G M (HRD)



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 033776/13444

16/12/2019

Certificate

Certified that **Shri ELAYARAJA R, B.Tech(CHEMICAL), III year student of PAAVAI ENGINEERING COLLEGE , PACHAL-NAMAKKAL** has undergone Inplant Training in the area of **METALLURGICAL SERVICES , CHEMICAL LAB , ANNEALING & PICKLING LINES AND ACID STORAGE AND TREATMENT PLANT** at Salem Steel Plant during the period from **10/12/2019** to **16/12/2019**.



[Signature]
46/12/19

R ULAGANATHAN
DGM(HRD)

आर. उलगानाथन
R. Ulaganathan
उप महाप्रबंधक (मानव संसाधन विकास)
D G M (HRD)

सेलम - 636 013 तमिलनाडु दूरभाष : 0427-238 3021 फैक्स : 0427-238 2800 ई-मेल : genladmn@sailssp.in वेबसाइट : www.sail.co.in
Salem-636 013 Tamil Nadu Phone : 0427-238 3021 Fax : 0427-238 2800 E-mail : genladmn@sailssp.in Website : www.sail.co.in

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STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 033773/13445

16/12/2019

Certificate

Certified that **Shri MAHESHWARAN P, B.Tech(CHEMICAL), III year student of PAAVAI ENGINEERING COLLEGE , PACHAL-NAMAKKAL** has undergone Inplant Training in the area of **METALLURGICAL SERVICES , CHEMICAL LAB , ANNEALING & PICKLING LINES AND ACID STORAGE AND TREATMENT PLANT** at Salem Steel Plant during the period from **10/12/2019** to **16/12/2019**.



(Signature) 16/12/19

R ULAGANATHAN

DGM(HRD)

आर. उलगानाथन

R. Ulaganathan

उप महाप्रबंधक (मानव संसाधन विकास)

D G M (HRD)

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सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 033770/13442

16/12/2019

Certificate

Certified that **Shri ELAVARASAN J G, B.Tech(CHEMICAL), III**
year student of PAAVAI ENGINEERING COLLEGE , PACHAL-
NAMAKKAL has undergone Inplant Training in the area of
METALLURGICAL SERVICES , CHEMICAL LAB , ANNEALING &
PICKLING LINES AND ACID STORAGE AND TREATMENT
PLANT at Salem Steel Plant during the period from **10/12/2019** to
16/12/2019.



(Signature)
16/12/19

R ULAGANATHAN
DGM(HRD)

आर. उलगानाथन
R. Ulaganathan
उप महाप्रबंधक (मानव संसाधन विकास)
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STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 033770/13442

16/12/2019

Certificate

Certified that **Shri ELAVARASAN J G, B.Tech(CHEMICAL), III year student of PAAVAI ENGINEERING COLLEGE , PACHAL-NAMAKKAL** has undergone Inplant Training in the area of **METALLURGICAL SERVICES , CHEMICAL LAB , ANNEALING & PICKLING LINES AND ACID STORAGE AND TREATMENT PLANT** at Salem Steel Plant during the period from **10/12/2019** to **16/12/2019**.



(Signature) 16/12/19

**R ULAGANATHAN
DGM(HRD)**

आर. उलगानाथन
R. Ulaganathan
उप महाप्रबंधक (मानव संसाधन विकास)
D G M (HRD)

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STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 033771/13443

16/12/2019

Certificate

Certified that **Shri DINESH S, B.Tech(CHEMICAL), III year student**
of **PAAVAI ENGINEERING COLLEGE , PACHAL- NAMAKKAL**
has undergone Inplant Training in the area of **METALLURGICAL**
SERVICES , CHEMICAL LAB , ANNEALING & PICKLING LINES
AND ACID STORAGE AND TREATMENT PLANT at Salem Steel
Plant during the period from **10/12/2019** to **16/12/2019**.



R. Ulaganathan
16/12/19

R ULAGANATHAN
DGM(HRD)

आर. उलगानाथन
R. Ulaganathan
उप महाप्रबंधक (मानव संसाधन विकास)
D G M (HRD)

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STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 033777/13446

16/12/2019

Certificate

Certified that **Shri PRADEEP M, B.Tech(CHEMICAL), III year** student of **PAAVAI ENGINEERING COLLEGE , PACHAL-NAMAKKAL** has undergone Inplant Training in the area of **METALLURGICAL SERVICES , CHEMICAL LAB , ANNEALING & PICKLING LINES AND ACID STORAGE AND TREATMENT PLANT** at Salem Steel Plant during the period from **10/12/2019** to **16/12/2019**.



[Signature] 16/12/19

R ULAGANATHAN
DGM(HRD)

आर. उलगनाथन

R. Ulaganathan

उप महाप्रबंधक (मानव संसाधन विकास)

D G M (HRD)

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वेबसाइट : www.sail.co.in
Website : www.sail.co.in

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STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 033774/13441

16/12/2019

Certificate

Certified that **Shri RAVI G, B.Tech(CHEMICAL), III year student**
of **PAAVAI ENGINEERING COLLEGE , PACHAL- NAMAKKAL**
has undergone Inplant Training in the area of **METALLURGICAL**
SERVICES , CHEMICAL LAB , ANNEALING & PICKLING LINES
AND ACID STORAGE AND TREATMENT PLANT at Salem Steel
Plant during the period from **10/12/2019** to **16/12/2019**.



R. Ulaganathan
16/12/19

R ULAGANATHAN
DGM(HRD)

आर. उलगानाथन
R. Ulaganathan
उप महाप्रबंधक (मानव संसाधन विकास)
D G M (HRD)

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स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 033778/13440

18/12/2019

Certificate

Certified that **Shri GOWTHAMAPRABHAKARAN S,**
B.Tech(CHEMICAL), III year student of PAAVAI ENGINEERING
COLLEGE , PACHAL- NAMAKKAL has undergone Inplant
Training in the area of **METALLURGICAL SERVICES ,**
CHEMICAL LAB , ANNEALING & PICKLING LINES AND ACID
STORAGE AND TREATMENT PLANT at Salem Steel Plant
during the period from 10/12/2019 to 16/12/2019.



(Signature) 18/12/19

R ULAGANATHAN
DGM(HRD)

आर. उलगानाथन

R. Ulagenathan

उप महाप्रबंधक (मानव संसाधन विकास)

D G M (HRD)

genladmn@sailssp.in

वेबसाइट : www.sail.co.in

genladmn@sailssp.in

Website : www.sail.co.in

सेलम - 636 013 तमिलनाडु दूरभाष : 0427-238 3021 फैक्स : 0427-238 2800 ई-मेल :
Salem-636 013 Tamil Nadu Phone : 0427-238 3021 Fax : 0427-238 2800 E-mail :

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STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 033772/13448

16/12/2019

Certificate

Certified that **Shri SUBASH CHANDRA BOSE G,B.Tech**
(CHEMICAL), III year student of PAAVAI ENGINEERING
COLLEGE,PACHAL- NAMAKKAL has undergone Inplant Training
in the area of **METALLURGICAL SERVICES , CHEMICAL LAB ,**
ANNEALING & PICKLING LINES AND ACID STORAGE AND
TREATMENT PLANT at Salem Steel Plant during the period from
10/12/2019 to 16/12/2019.



R ULAGANATHAN
DGM(HRD)

आर. उलगानाथन

R. Ulaganathan

उप महाप्रबंधक (मानव संसाधन विकास)

D G M (HRD)

सेलम - 636 013 तमिलनाडु
Salem-636 013 Tamil Nadu

दूरभाष : 0427-238 3021 फैक्स : 0427-238 2800
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ई-मेल : genladmn@sailssp.in
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वेबसाइट : www.sail.co.in
Website : www.sail.co.in

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STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 033776/13444

16/12/2019

Certificate

Certified that **Shri ELAYARAJA R, B.Tech(CHEMICAL), III year**
student of **PAAVAI ENGINEERING COLLEGE , PACHAL-**
NAMAKKAL has undergone Inplant Training in the area of
METALLURGICAL SERVICES , CHEMICAL LAB , ANNEALING &
PICKLING LINES AND ACID STORAGE AND TREATMENT
PLANT at Salem Steel Plant during the period from **10/12/2019** to
16/12/2019.



[Signature]
16/12/19

R ULAGANATHAN
DGM(HRD)

आर. उलगानाथन
R. Ulaganathan
उप महाप्रबंधक (मानव संसाधन विकास)
D G M (HRD)

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Salem-636 013 Tamil Nadu Phone : 0427-238 3021 Fax : 0427-238 2800 E-mail : genladmn@sailssp.in Website : www.sail.co.in

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STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 033780/13447

16/12/2019

Certificate

Certified that **Shri CLINTON A, B.Tech(CHEMICAL), III year student of PAAVAI ENGINEERING COLLEGE , PACHAL-NAMAKKAL** has undergone Inplant Training in the area of **METALLURGICAL SERVICES , CHEMICAL LAB , ANNEALING & PICKLING LINES AND ACID STORAGE AND TREATMENT PLANT** at Salem Steel Plant during the period from **10/12/2019** to **16/12/2019**.



R. Ulaganathan
16/12/19

R ULAGANATHAN
DGM(HRD)

आर. उलगानाथन
R. Ulaganathan
उप महाप्रबंधक (मानव संसाधन विकास)
D G M (HRD)

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STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 033773/13445

16/12/2019

Certificate

Certified that **Shri MAHESHWARAN P, B.Tech(CHEMICAL), III year student of PAAVAI ENGINEERING COLLEGE , PACHAL-NAMAKKAL** has undergone Inplant Training in the area of **METALLURGICAL SERVICES , CHEMICAL LAB , ANNEALING & PICKLING LINES AND ACID STORAGE AND TREATMENT PLANT** at Salem Steel Plant during the period from **10/12/2019** to **16/12/2019**.



(Signature) 16/12/19

R ULAGANATHAN
DGM(HRD)

आर. उलगानाथन
R. Ulaganathan
उप महाप्रबंधक (मानव संसाधन विकास)
D G M (HRD)

सेलम - 636 013 तमिलनाडु
Salem-636 013 Tamil Nadu

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STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 033775/13439

16/12/2019

Certificate

Certified that **Shri GOKULAKRISHNAN M, B.Tech(CHEMICAL),**
III year student of PAAVAI ENGINEERING COLLEGE ,
PACHAL- NAMAKKAL has undergone Inplant Training in the area
of **METALLURGICAL SERVICES , CHEMICAL LAB , ANNEALING**
& PICKLING LINES AND ACID STORAGE AND TREATMENT
PLANT at Salem Steel Plant during the period from **10/12/2019** to
16/12/2019.



(Signature) 16/12/19

R ULAGANATHAN
DGM(HRD)

आर. उलगानाथन
R. Ulaganathan
उप महाप्रबंधक (मानव संसाधन विकास)
D G M (HRD)

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NLC India Limited

"NAVRATNA" - Govt. of India Enterprise

LEARNING & DEVELOPMENT CENTRE



CERTIFICATE FOR INTERNSHIP TRAINING

This is to certify that Mr./Ms. **DEEBAN RAJ T, B.TECH / CHEM**

PAAVAI ENGINEERING COLLEGE, NAMAKKAL has undergone

Internship Training in **NLC India Limited**, Neyveli between

13.12.2019 and **26.12.2019**

NLCIL wishes him / her Success in all future endeavours.



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"NAVRATNA" - Govt. of India Enterprise

LEARNING & DEVELOPMENT CENTRE



CERTIFICATE FOR INTERNSHIP TRAINING

This is to certify that Mr./Ms. **SURESH S, B.TECH / CHEM**

PAAVAI ENGINEERING COLLEGE, NAMAKKAL has undergone

Internship Training in **NLC India Limited**, Neyveli between

13.12.2019 and **26.12.2019**

NLCIL wishes him / her Success in all future endeavours.



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CREATING WEALTH
FOR WELLBEING

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CERTIFICATE FOR INTERNSHIP TRAINING

This is to certify that Mr./Ms. **SUBRAMANIYAN K, B.TECH / CHEM**

PAAVAI ENGINEERING COLLEGE, NAMAKKAL has undergone

Internship Training in **NLC India Limited**, Neyveli between

13.12.2019 and **26.12.2019**

NLCIL wishes him / her Success in all future endeavours.



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FOR WELLBEING

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“NAVRATNA” - Govt. of India Enterprise

LEARNING & DEVELOPMENT CENTRE



CERTIFICATE FOR INTERNSHIP TRAINING

This is to certify that Mr./Ms. **MOHAMMED ANASH A, B.TECH / CHEM**

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

has undergone

Internship Training in **NLC India Limited**, Neyveli between

13.12.2019 and **26.12.2019**

NLCIL wishes him / her Success in all future endeavours.



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CREATING WEALTH
FOR WELLBEING

NLC India Limited

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LEARNING & DEVELOPMENT CENTRE



CERTIFICATE FOR INTERNSHIP TRAINING

This is to certify that Mr./Ms. PRASANTH R S , B.TECH / CHEM
PAAVAI ENGINEERING COLLEGE , NAMAKKAL has undergone
Internship Training in **NLC India Limited**, Neyveli between
13.12.2019 and 26.12.2019

NLCIL wishes him / her Success in all future endeavours.



HEAD / L&D
LEARNING & DEVELOPMENT CENTRE

"Training adding Value to Life"



**Seshasayee
Paper and
Boards Limited**

Regd Office & Works : Pallipalayam, Namakkal District,
Erode - 638 007, Tamilnadu, India, Ph : 91 - 4288 - 240221 to 240228
Fax: 91 - 4288 - 240229 email : edoff@spbltd.com Web : www.spbltd.com
CIN : L21012TZ1960PLC000364

Pers/PC02

2020.02.25

CERTIFICATE

This is to certify that Mr. P.S.Sayanth, 3rd Year B.Tech Chemical Engineering student of Paavai Engineering College (Autonomous Institutions), Namakkal – 637 018, has undergone In Plant training in our organization from 14.02.2020 to 25.02.2020 and completed the training successfully.

For Seshasayee Paper and Boards Limited,

K.Ramachandran
Senior Executive (Industrial Relations)





**Seshasayee
Paper and
Boards Limited**

Regd Office & Works : Pallipalayam, Namakkal District,
Erode - 638 007, Tamilnadu, India, Ph : 91 - 4288 - 240221 to 240228
Fax: 91 - 4288 - 240229 email : edoff@spbltd.com Web : www.spbltd.com
CIN : L21012TZ1960PLC000364

Pers/PC02

2020.02.25

CERTIFICATE

This is to certify that Mr. Anoop Poulose, 3rd Year B.Tech Chemical Engineering student of Paavai Engineering College (Autonomous Institutions), Namakkal – 637 018, has undergone In Plant training in our organization from 14.02.2020 to 25.02.2020 and completed the training successfully.

For Seshasayee Paper and Boards Limited,

K.Ramachandran
Senior Executive (Industrial Relations)



**Seshasayee
Paper and
Boards Limited**

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Erode - 638 007, Tamilnadu, India, Ph : 91 - 4288 - 240221 to 240228
Fax: 91 - 4288 - 240229 email : edoff@spbltd.com Web : www.spbltd.com
CIN : L21012TZ1960PLC000364

Pers/PC02

2020.02.25

CERTIFICATE

This is to certify that Mr. Jifin Joy, 3rd Year B.Tech Chemical Engineering student of Paavai Engineering College (Autonomous Institutions), Namakkal – 637 018, has undergone In Plant training in our organization from 14.02.2020 to 25.02.2020 and completed the training successfully.

For Seshasayee Paper and Boards Limited,

K.Ramachandran
Senior Executive (Industrial Relations)



**Seshasayee
Paper and
Boards Limited**

Regd Office & Works : Pallipalayam, Namakkal District,
Erode - 638 007, Tamilnadu, India, Ph : 91 - 4288 - 240221 to 240228
Fax: 91 - 4288 - 240229 email : edoff@spbltd.com Web : www.spbltd.com
CIN : L21012TZ1960PLC000364

Pers/PC02

2020.02.25

CERTIFICATE

This is to certify that Mr. N.P. Suhaib Akthar, 3rd Year B.Tech Chemical Engineering student of Paavai Engineering College (Autonomous Institutions), Namakkal – 637 018, has undergone In Plant training in our organization from 14.02.2020 to 25.02.2020 and completed the training successfully.

For Seshasayee Paper and Boards Limited,

K.Ramachandran

Senior Executive (Industrial Relations)





**Seshasayee
Paper and
Boards Limited**

Regd Office & Works : Pallipalayam, Namakkal District,
Erode - 638 007, Tamilnadu, India, Ph : 91 - 4288 - 240221 to 240228
Fax: 91 - 4288 - 240229 email : edoff@spbltd.com Web : www.spbltd.com
CIN : L21012TZ1960PLC000364

Pers/PC02

2020.02.25

CERTIFICATE

This is to certify that Mr. A.Muhamed Rafnash, 3rd Year B.Tech Chemical Engineering student of Paavai Engineering College (Autonomous Institutions), Namakkal – 637 018, has undergone In Plant training in our organization from 14.02.2020 to 25.02.2020 and completed the training successfully.

For Seshasayee Paper and Boards Limited,

K.Ramachandran

Senior Executive (Industrial Relations)



Date : Fri , 2nd Aug 2019

The HOD
Chemical Engineering department
Paavai Engineering College
Namakkal

Dear Sir,

Greetings from Wonderla, Kochi !

As per the mail from your end, we are glad to permit industrial visit for the 2nd year Food Technology and Pharmaceutical Technology students on 11.08.2019. The time for industrial visit will be intimated to you after reaching the park.

As the industrial visit takes place inside the park, the purchase of entry tickets is compulsory. Please contact Help Desk with your booking number, on the day of visit for further proceedings.

Please intimate us in advance if there is any change in your schedules.

For any further assistance, please feel free to contact us.

Regards,



Authorized Signatory

Branches

Bangalore Park (Reg.office): 28th KM, Mysore Road, Bangalore: 562 109 | Ph: +91 80 22010300 | Email: mail.blr@wonderla.com

Kochi Park: Pallikkara, Kumarapuram P.O., Kochi: 683 565 | Phone: +91 484 2684001 | Email: mail.cok@wonderla.com

Hyderabad Park: ORR, Exit No. 13, Ravirala Post, Hyderabad: 501 510 | Ph: +91 40 23490300 | Email: mail.hyd@wonderla.com

Bangalore Resort: 28th KM, Mysore Road, Bangalore: 562 109 | Ph: +91 80 33710333 | Email: resort.blr@wonderla.com

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF CHEMICAL ENGINEERING
INDUSTRIAL VISIT FORM

Year: IV

Semester: VII


Visit No	Date of Visit	Duration
01	12/07/2019 & 13/07/2019	Two days

1. Name & Address of the Visiting Industry : Wonderla water treatment plant,
Kumarapuram (post),
pallikara,
kerala- 683565
- Telephone number with STD code : 07593853107
2. Name& Designation of the contact person : C.Nehru Natarajan
Assistant General Manager,
9443343167
- Branch : Kochin, Kerala
3. Name & Designation of the staff in charge : 1.Mr.S.Kirubhakaran (Asst. Professor)
: 2.Dr.K.Muthamizhi (Asso. Professor)
: 3. Mr.A.Pasupathi (Lab Assistant)
4. Travel Arrangements : 360⁰ Tourist & Travels,
- (a) Travel agency name and address : B.Vigneswaran,
a/5,KAPA Medical College opp,
Central Bus Stand,
Trichy -620001
- Telephone number : 8778070061.
- (b) Schedule Time of Departure : 11/07/2019 – 09.00PM.
- (c) Proposed time of the Arrival : 13/07/2019 – 10.30PM

Caution:

1. Parents are informed to take the pickup and drop of and time intimated with noticed to be available at the time of arrival to pick up the girls students.
2. Travel Arrangements include picking up the Hostel Boys and Girls and dropping them back at the hostels.
3. Staff in charge essentially inform the college as soon as they arrive as the industry or the specified station.


HOD/CHEMICAL
Head of the Department
Department of Chemical Engineering,
Paavai Engineering College,
NH-7, Pachal Post, Namakkal-637 018.


PRINCIPAL
PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL POST, NAMAKKAL Dist

COPY TO:

1. Hostel Manager
2. Department File.

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
DEPARTMENT OF CHEMICAL ENGINEERING
INDUSTRIAL VISIT FORM

Year: IV


Semester: VII


Visit No	Date of Visit	Duration
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9443343167
- Branch : Kochin, Kerala
3. Name & Designation of the staff in charge : 1.Mr.S.Kirubhakaran (Asst. Professor)
: 2.Dr.K.Muthamizhi (Asso. Professor)
: 3. Mr.A.Pasupathi (Lab Assistant)
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HOD/CHEMICAL
Head of the Department
Department of Chemical Engineering,
Paavai Engineering College,
NH-7, Pachal Post, Namakkal-637 018.


PRINCIPAL
PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL POST, NAMAKKAL Dist

COPY TO:

- Hostel Manager
- Department File.

DEPARTMENT OF CHEMICAL ENGINEERING

S.No	Name of the students for industrial visit
1.	Abdulla Shameem.A
2.	Abirami.K
3.	Abishek.B.K
4.	Abudhageer.I
5.	Adnan.P
6.	Ajith.M
7.	Akhil Reji
8.	Akshay Prabhakaran
9.	Alex Santhosh
10.	Ashik Raj
11.	Avinash.R
12.	Balamurugan.S
13.	Chandini.A
14.	Dhivakar.B.K
15.	Elamathi.A
16.	Elavarasi.C
17.	Irfan Habeeb.K
18.	Kailash.V
19.	Kamal Raj.B
20.	Kavi Nandhini.M
21.	Kishore Kumar B
22.	Manibharathi.V
23.	Maniyarasu.M
24.	Mohamed Ali.J
25.	Monisha.D
26.	Nabeel.V
27.	Nameer.A
28.	Nithesh Kumar.D
29.	Parandhaman.S
30.	Prasath.R
31.	Purushothaman.V
32.	Sabari.P
33.	Sarath.SI
34.	Sasikumar.V
35.	Sathish Kumar.G
36.	Sathishkumar.V
37.	Sedhubathi.R
38.	Sreerag Manikandan
39.	Sri Hari.C
40.	Sriangaiparameshwari.S
41.	Sriram.A
42.	Sujith.S
43.	Suresh Babu.A
44.	Suresh.S
45.	Surya.K
46.	Surya.M
47.	Swathi.G
48.	Tamil Elakkiya.M
49.	Tamilselvan.K
50.	Thirumalaiivasan.G
51.	Velan.V

52.	Vengatesh.S
53.	Venkatesh.J
54.	Vignesh.P
55.	Vinoth.G
56.	Vinothkumar.R
57.	Vivek.R
58.	Yuvendhran.K
59.	Poovarasan.R
60.	Godson Pathrose

DEPARTMENT OF FOOD TECHNOLOGY

1.	R. Abi Priya
2.	J. S. Akash Babu
3.	Akhil Shabu
4.	Alen Jose
5.	Amal Francies
6.	G. Balaji
7.	S. Deenathayalan
8.	J. Deepak
9.	G. Gunalan
10.	U. Harini
11.	P. Janani
12.	C.Jayashree
13.	A.Kalaimathi
14.	S. Lavanya
15.	S. Naveen Kumar
16.	J. Nivetha
17.	S. Nivetha
18.	G. Pradeep
19.	M.V. Prasanna Kumar
20.	A.Sangavi
21.	M.Saren Rokith
22.	P. Sweety
23.	Vijayaperumal
24.	P. Viruthika

DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

1.	Ajeetha.K
2.	Ananthi.C
3.	Aravindha Kumar.G
4.	Arun Karthick.K
5.	Ashwin.S
6.	Gayathri.K

7.	Gokulraj.R
8.	Jeevika.S
9.	Jegan.S
10.	Josevanithin
11.	Karthika.P
12.	Kishore.J
13.	Pavilan.T
14.	Pavithra.G
15.	Prabhavathi.K
16.	Praveenkumar.M
17.	Pugazhendhi.V
18.	Queen Santhoshini.C
19.	Ramkumar.R
20.	Sandhiya.A
21.	Sangath Saran.L.K
22.	Sathiyaraj.M
23.	Savitha.M
24.	Sneha.M
25.	Soundarrajan.S
26.	Sowdambika.R
27.	Srinivasan.R
28.	Vetrivel.C
29.	Vimal Raj.G
30.	Yuvaraj.S


HOD/CHEMICAL

Head of the Department
Department of Chemical Engineering,
Paavai Engineering College,
NH-7, Pachai Post, Namakkal-637 018.



PAAVAI ENGINEERING COLLEGE

(Autonomous Institution)

(Approved by AICTE and Affiliated to Anna University)

(Accredited by National Board of Accreditation, New Delhi & NAAC (UGC) with 'A' Grade)

Paavai Nagar, NH - 7, PACHAL, NAMAKKAL - 637 018. Tamil Nadu

04286-243038, 58,88 & 98 Fax: 04286-243068 Email: pecprincipal@paavai.edu.in website: http://pec.paavai.edu.in

PERMISSION LETTER

Dr.M.PREMKUMAR.,M.E.,Ph.D
PRINCIPAL

Date: 20.02.2020

To

The General Manager,
Maravaneri Main Road.
Kumarasamipatti,
Salem-636007.

Dear Sir / Madam,

SUB: Requisition to give permission to visit Aavin Milk Producers, Salem - reg.

We are happy to inform you that our students are interested to visit your esteemed company. The chance to visit your company will give an opportunity to the students to learn more about your organization and working principle.

So kindly grant permission to visit your company with our students.

Looking forward to your positive reply. (9965566888, 9688899288)

Number of Students : 570

Number of faculty : 12

Tentative Date (06.03.2020 & 07.03.2020)

Thanking You


PRINCIPAL
PRINCIPAL

PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL Post, NAMAKKAL Dist



Salem.Co-op. Milk Producers' Union Ltd.,
Sithanur, Thalavaipatti Post, Salem- 636 302 (TN)

Phone: 7373704802
E-Mail :aavinslm@gmail.com

Ref.No: 04860 /Dairy Visit /DGM [P]/ 2020
To

Date: 07.03.2020

The Principal,
Paavai Engineering College,
Pachal, Namakkal.

Cell No: 9965566888 & 9688899288

Sir,

Sub: SDCMPU Ltd.,Salem–Visit of Salem Dairy-Permission - Granted.

~~~~~

Permission is granted to **290 Nos.+ 280 Nos.** of students and Staff of your College / School to visit our Dairy on **09-03-2020 & 11-03-2020** respectively by 10.00 A.M. to 1.00 P.M.

Kindly arrange to depute sufficient number of your staff to take care of the students during the visit of the Plant. Both the staff and students may be advised to observe the Dairy operations without any disturbance to the routine works of the Dairy. Further the students should be advised not to mishandle any products or articles inside the Dairy. No photographs should be taken inside the Dairy.

**It is hereby informed that ₹ 120/- [Rupees one hundred and twenty only] per head must be paid (including Teaching Staff ) at Marketing Section. For ₹ . 120 /- they will be given Lunch , one 50 Grm Khoa and one Milk Shake ( 200 ml).**

Kindly advise the students to discard the wastes in the dustbins only.

for Salem Dist Co-op. Milk  
Producers' Union Ltd.,

**Encl.: Visitor Health Questionnaire Form.**

**Asst. General Manager (Dairying)i/c**

Copy to :1.The A.G.M. (Dairying),FBD,Salem

2.The A.G.M. [Mkg], Salem.

3.The Security Officer.

4. Aavin Canteen in-charge. (Cell.. No. 9894969416)

Copy submitted to: The General Manager,

- for kind information please.

**Certain information for Advance Booking**

1).Aavin Parlour at Salem Dairy (Phone No: 0427 – 6540252)

Cone Ice Cream, Khoa,Mysorepa, Halwa, Badam Mix Powder, Butter (500 Grm pack), Ghee (200 ml 500 ml, 1Lit, 5 Lit)

Tetra Products. Chocolate Milk, Strawberry, Cardamom, Mavin, 1 Lit. STD Milk, 1 Lit Toned Milk, ½ Lit. Fino.



**PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)**  
**PACHAL, NAMAKKAL**  
**DEPARTMENT OF SCIENCE AND HUMANITIES**

Ref.no;PEC/pri/IV/1/2020

Submitted to the Principal approval

Date: 08.03.2020

Sub: Industrial visit permission requested – reg.

The students from department of Science and Humanities have proposed to undertake an industrial visit to Aavin (Salem Co-op Milk Producers union Ltd.) on 09.03.2020 & 11.03.2020 . We have received the permission letter from the Director of the above mentioned. Herewith we have attached the Tour itinerary details such as date, time, list of students and place of visit. It is proposed to depute the following 12 faculty members to accompany the students during the visit.

1. Dr. G. Raja (Professor/Chemistry)
2. Dr. S. Vadivel(Professor/Physics)
3. Dr. R. Shanthi(Professor/ English)
4. Dr. M. Sathishkumar(ASP/Maths)
5. Mrs. K. Uma(ASP/Maths)
6. Mr. S. Priyathilak(AP/English)
7. Dr. N. Dhanabalan(ASP/ Chemistry)
8. Dr. D. Rajamanickam(AP/ Chemistry)
9. Mrs. S. Kavitha(ASP/ Physics)
10. Mrs. C. Bharathi(AP/Physics)
11. Mr. R. Dhananchezhian(AP/Physics)
12. Mrs. C. Manjula(ASP/Maths)

The mode of journey is proposed to be by our college bus. Hence permission is requested to undertake this educational visit as per the Tour itinerary enclosed.

  
**Principal**

Enclosed

1. Permission Letter
2. Schedule of Visit
3. Students Name list

**PAAVAI ENGINEERING COLLEGE**  
**NH -44, PACHAL, NAMAKKAL-637018**  
**(Autonomous)**

| S.NO | REGISTER NUMBER | NAME OF THE STUDENT          |
|------|-----------------|------------------------------|
| 1    | 19101001        | ANANDHARAJ.A                 |
| 2    | 19101004        | ARUN.A                       |
| 3    | 19101005        | ASHWIN BARATH.M.J            |
| 4    | 19101007        | BASKAR.S                     |
| 5    | 19101008        | BHARATHY.C                   |
| 6    | 19101011        | DHILEEPAN.M                  |
| 7    | 19101013        | EZHILARASAN.S                |
| 8    | 19101015        | HARIHARAN.L                  |
| 9    | 19101017        | JEEVANANDHAM.P               |
| 10   | 19101018        | KARTHICK.G                   |
| 11   | 19101020        | MEYYAZHAGI.S                 |
| 12   | 19101021        | MOHAMED RASITH.S             |
| 13   | 19101023        | MORESHWARAN.A.C              |
| 14   | 19101025        | NAVINKUMAR.V                 |
| 15   | 19101027        | POOVARASAN.V                 |
| 16   | 19101028        | PREMIGA.G                    |
| 17   | 19101029        | RAJESH.S                     |
| 18   | 19101030        | REETHKUMARI.T.K              |
| 19   | 19101032        | SATHYA.M                     |
| 20   | 19101035        | SRIJA.A                      |
| 21   | 19101037        | SUJEETHA.G                   |
| 22   | 19101040        | VEERAPANDI.M                 |
| 23   | 19101041        | VETRIVELAN.M                 |
| 24   | 19101043        | VIJAYSUNDHAR.V               |
| 25   | 19101044        | VINITH SUBASH CHANDRA BOSE.S |
| 26   | 19102002        | ABI.S                        |
| 27   | 19102003        | ABIMANYU R                   |
| 28   | 19102006        | AISHWARYA.M.K                |
| 29   | 19102007        | AJAY.K                       |
| 30   | 19102012        | ARAVIND.P                    |
| 31   | 19102013        | ARAVINDAN.K                  |
| 32   | 19102014        | ARULMANI.M                   |
| 33   | 19102016        | ARYA.T.T                     |
| 34   | 19102019        | BALAJI.T                     |

|    |          |                   |
|----|----------|-------------------|
| 35 | 19102020 | BALA MURUGAN.B    |
| 36 | 19102021 | BHARANI.S         |
| 37 | 19102022 | BHAVANKUMAR.G     |
| 38 | 19102024 | CHANDRU.S         |
| 39 | 19102026 | DEENATHAYALAN.K   |
| 40 | 19102027 | DEEPAK.K          |
| 41 | 19102029 | DESHIKA S         |
| 42 | 19102030 | DEVASRI.P         |
| 43 | 19102031 | DHARANI.M         |
| 44 | 19102033 | DHEENA.S          |
| 45 | 19102035 | DINAKARAN.I       |
| 46 | 19102037 | DURGADEVI.D       |
| 47 | 19102040 | GAYATHRI.R        |
| 48 | 19102041 | GAYATHRI.S        |
| 49 | 19102043 | GOPALAKRISHNAN.S  |
| 50 | 19102046 | HARISH.D          |
| 51 | 19102047 | HARIVARMA.S       |
| 52 | 19102048 | HEMA.A            |
| 53 | 19102050 | HOSEMINRAJA.G     |
| 54 | 19102051 | ISHAGAPIKA.R      |
| 55 | 19102053 | JAGANATHAN.K      |
| 56 | 19102055 | JAWAHAR.G         |
| 57 | 19102056 | JAYAGOPITHAN.G    |
| 58 | 19102058 | JAYASHREE.R       |
| 59 | 19102060 | KEERTHANA.N       |
| 60 | 19102061 | KIRUBALINI.J      |
| 61 | 19102062 | KOWSALYA P        |
| 62 | 19102064 | MAHALAKSHMI.D     |
| 63 | 19102066 | MANGAIYARKARASI.M |
| 64 | 19102067 | MEGHA.J.S         |
| 65 | 19102068 | MENAKA.M          |
| 66 | 19102069 | NAGILAN.V         |
| 67 | 19102070 | NAVEEN.B          |
| 68 | 19102073 | PANNEER SELVAM.B  |
| 69 | 19102075 | PAUL ANTONY.Y     |
| 70 | 19102076 | PAVITHRA.S        |
| 71 | 19102077 | POOVARASI.S       |



|     |          |                         |
|-----|----------|-------------------------|
| 72  | 19102080 | PRAVEEN RAJ.E           |
| 73  | 19102082 | PRAVEENRAJ P            |
| 74  | 19102084 | RAGHUL.P                |
| 75  | 19102085 | RAGUL.S                 |
| 76  | 19102086 | RAJA.C                  |
| 77  | 19102087 | RANJITHKUMAR.M          |
| 78  | 19102089 | RIYA.K                  |
| 79  | 19102090 | SAIFULLA                |
| 80  | 19102092 | SANJAY.S                |
| 81  | 19102093 | SANTHIYA.V              |
| 82  | 19102094 | SANTHOSH.T              |
| 83  | 19102096 | SATHYABALA.V            |
| 84  | 19102099 | SIVASAKTHI.S            |
| 85  | 19102100 | SNEHA.P                 |
| 86  | 19102101 | SOWMIYA PRAGADEESWARI.G |
| 87  | 19102102 | SOWNDHARYA.S.S          |
| 88  | 19102103 | SRIRAM.J                |
| 89  | 19102104 | STALIN.V                |
| 90  | 19102106 | SUBALAKSHMI.S           |
| 91  | 19102108 | SUDARSUN.S              |
| 92  | 19102109 | SUNDAR.G                |
| 93  | 19102110 | SUPRIYA.M               |
| 94  | 19102111 | SURIYAPERUMAL.S         |
| 95  | 19102112 | SURYA.P                 |
| 96  | 19102113 | SWETHA.S                |
| 97  | 19102116 | THENMOZHI.D             |
| 98  | 19102117 | UTHAYA KUMAR.R          |
| 99  | 19102119 | VAISHNAVI.R             |
| 100 | 19102120 | VENGADESAN.E            |
| 101 | 19102121 | VIGNESHWARAN.U          |
| 102 | 19102122 | VINAYAK.M               |
| 103 | 19102123 | VISHNUSHREE.T.S         |
| 104 | 19102125 | YOGALAKSHMI.P           |
| 105 | 19102126 | YUKESHWARAN.K           |
| 106 | 19103001 | BARATHRAJ.B             |
| 107 | 19103002 | CARMAL MARY JOY         |
| 108 | 19103003 | ESAKKIVEL.S             |

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| 109 | 19103004 | IGNASHIOUS PINTO.A |
| 110 | 19103005 | KRISHNAN.V.K       |
| 111 | 19103006 | MANOSRI.V          |
| 112 | 19103007 | MUKILARASU.M       |
| 113 | 19103008 | MURUGANATHAN B     |
| 114 | 19103009 | NIMAL RAJ.P        |
| 115 | 19103010 | PRADEEPKUMAR.K     |
| 116 | 19103011 | PRADEEP.R          |
| 117 | 19103012 | PRAVEEN KUMAR.G    |
| 118 | 19103013 | PRIYADARSHINI.C    |
| 119 | 19103014 | PRIYAHARUN.M       |
| 120 | 19103015 | RAMPRASATH.V       |
| 121 | 19103016 | RISHIVASAN.K       |
| 122 | 19103017 | SABARI SRI RAM.R   |
| 123 | 19103018 | SAIRAJ.A           |
| 124 | 19103019 | SAKTHIVEL.P        |
| 125 | 19103020 | SUGAPRIYA.C        |
| 126 | 19103021 | SURENDHAR.S        |
| 127 | 19103022 | SURESH.K           |
| 128 | 19103023 | SURYA.R            |
| 129 | 19103024 | THANGA PANDI.S     |
| 130 | 19103025 | UDHAYAKUMARAN.S    |
| 131 | 19103026 | VASANTH KUMAR.T    |
| 132 | 19103027 | VEERESWARAN.S      |
| 133 | 19103028 | VIJAY.C            |
| 134 | 19103029 | VINOTH.V           |
| 135 | 19103030 | VISHAL PRANAV.B    |
| 136 | 19104001 | ABINESH.R          |
| 137 | 19104003 | ADHISH.M           |
| 138 | 19104004 | AHAMADHU.A         |
| 139 | 19104005 | AMIRTHAVARSHINI.A  |
| 140 | 19104006 | ARAVINDRAJ.S       |
| 141 | 19104008 | ARULPRASHATH.R     |
| 142 | 19104011 | ASHWIN.A           |
| 143 | 19104015 | BHARATHKUMAR.G     |
| 144 | 19104016 | BHAVAN RAMANA.E    |
| 145 | 19104019 | CHERUB EBENEZER    |

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| 146 | 19104021 | DEVARAJ.M                     |
| 147 | 19104023 | DHARNISHRAJA.J                |
| 148 | 19104024 | DHARSHANNATH.Y                |
| 149 | 19104025 | GAVIYA LAKSHMI.S              |
| 150 | 19104026 | GAYATHRI.R                    |
| 151 | 19104027 | GOKILA.K.M                    |
| 152 | 19104029 | GOPIKA.R                      |
| 153 | 19104030 | GORLA CHANDU                  |
| 154 | 19104031 | GOWTHAM.K                     |
| 155 | 19104032 | GUNASEELAN.M                  |
| 156 | 19104034 | HARISHKUMAR.C                 |
| 157 | 19104035 | HEMALATHA.S                   |
| 158 | 19104039 | IYYAPPAN.N                    |
| 159 | 19104040 | JAGANATHAN.K                  |
| 160 | 19104042 | JAYALAKSHMI.P                 |
| 161 | 19104044 | KARTHIKA.M                    |
| 162 | 19104046 | KAVIMANI.M                    |
| 163 | 19104048 | KIRUTHIKA.M                   |
| 164 | 19104051 | MADESH.S                      |
| 165 | 19104052 | MADHANKUMAR.M                 |
| 166 | 19104055 | MANI PRABHU.T                 |
| 167 | 19104057 | MATHU MIITHAA.M               |
| 168 | 19104058 | MOHAMMED RAUSHAN.M            |
| 169 | 19104060 | MOHAN.M                       |
| 170 | 19104063 | MONISH.V                      |
| 171 | 19104066 | MUTHUPANDI.S                  |
| 172 | 19104067 | NANDHAGOPAL.C                 |
| 173 | 19104069 | NANDHAKUMAR.M                 |
| 174 | 19104072 | PRAVEENKUMAR.R                |
| 175 | 19104073 | PRIYADHARSHINI.M              |
| 176 | 19104079 | RAJENDRAPRASATH.A             |
| 177 | 19104080 | RAMALAKSHMANAN @ MANIKANDAN.U |
| 178 | 19104082 | ROHKITH ROSHAN.S              |
| 179 | 19104085 | SANDEEP.S                     |
| 180 | 19104086 | SANDHIYA.S                    |
| 181 | 19104087 | SANJAY.G                      |
| 182 | 19104089 | SANTHOSH.B                    |



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| 183 | 19104090 | SATHISH.B                   |
| 184 | 19104092 | SELVABHARATHI.S             |
| 185 | 19104095 | SHALINI.R                   |
| 186 | 19104097 | SHANKARESH.R                |
| 187 | 19104099 | SHREE HARINI.M              |
| 188 | 19104103 | SIVAKARAN.S                 |
| 189 | 19104104 | SIVANANTHAN.S               |
| 190 | 19104106 | SUJITHA.S                   |
| 191 | 19104108 | SURIYASANKAR.P              |
| 192 | 19104109 | SWETHA P                    |
| 193 | 19104112 | THAVASI.S                   |
| 194 | 19104115 | UDAYAKIRAN.S                |
| 195 | 19104117 | VARUN KRISHNAN.V            |
| 196 | 19104119 | VASUNDHARADEVI.S            |
| 197 | 19104120 | VENGATESH.C                 |
| 198 | 19104121 | VIJAYASHANKAR P             |
| 199 | 19104125 | YUVARANI.R                  |
| 200 | 19104126 | YUVETHA.S                   |
| 201 | 19105001 | AISHWARYA.K                 |
| 202 | 19105004 | ANU VARSHITHA.M             |
| 203 | 19105005 | ARAVIND.R                   |
| 204 | 19105009 | ATHEEQ UR RAHMAN.F          |
| 205 | 19105010 | BHARATH.S                   |
| 206 | 19105011 | BHARATHIRAJA.R              |
| 207 | 19105012 | DAVULURI VENKATA ANIL KUMAR |
| 208 | 19105013 | DEVADHARSHINI.M             |
| 209 | 19105015 | DHARSHINI.V                 |
| 210 | 19105016 | DHIVAKARAN.T                |
| 211 | 19105019 | FAIYAZ BASHA.F              |
| 212 | 19105020 | GOKULA KANNAN.R.S           |
| 213 | 19105021 | GOKULAKRISHNAN.R            |
| 214 | 19105026 | HARIPRASANTH.R              |
| 215 | 19105027 | HARISANJAI.A                |
| 216 | 19105028 | HEMALATHA.M                 |
| 217 | 19105029 | HEMAPRIYA.K.S               |
| 218 | 19105032 | JAGAN.P                     |
| 219 | 19105033 | JAYAKUMAR.R                 |

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| 220 | 19105034 | JEEVAN PRAKASH.R   |
| 221 | 19105038 | KANISHKAR.M        |
| 222 | 19105039 | KAVIYA.R           |
| 223 | 19105040 | KAVIYAA.K          |
| 224 | 19105043 | KRISHNAVENI.M      |
| 225 | 19105046 | LAVANYA.I          |
| 226 | 19105049 | LINGESWARAN.J      |
| 227 | 19105051 | MEDA MANOJ KRISHNA |
| 228 | 19105054 | MOHAMMED SAMEER.M  |
| 229 | 19105055 | MUKILAN.R          |
| 230 | 19105056 | MUTHU KUMARA VEL.U |
| 231 | 19105057 | NAGAMANI.D         |
| 232 | 19105059 | NARMATHA.R         |
| 233 | 19105067 | PADMESH.B          |
| 234 | 19105068 | PARTHASARATHI.S    |
| 235 | 19105071 | PRAKASH.K.V        |
| 236 | 19105072 | PRASANNA.K         |
| 237 | 19105075 | PRASATH.S          |
| 238 | 19105080 | RAGUL.B            |
| 239 | 19105081 | RAGUL.R            |
| 240 | 19105082 | RAGUL.T            |
| 241 | 19105084 | RAJARAJAN.R        |
| 242 | 19105085 | RANJANI.V          |
| 243 | 19105088 | SANJAY.M           |
| 244 | 19105089 | SANTHOSHKUMAR.V    |
| 245 | 19105090 | SARANYA.A          |
| 246 | 19105093 | SHEELA JENEFER.A   |
| 247 | 19105094 | SIVA DHARSHINI.S   |
| 248 | 19105097 | SIVAKUMAR.M        |
| 249 | 19105098 | SIVASAKTHI.V       |
| 250 | 19105100 | SNEGA.S            |
| 251 | 19105101 | SOBANA.M           |
| 252 | 19105102 | SOWMIYA.K          |
| 253 | 19105103 | SRETHARSSENE.S     |
| 254 | 19105108 | SUNDARESAN.E       |
| 255 | 19105111 | SWATHIGA.G.V       |
| 256 | 19105112 | TAMILSELVI.P       |

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| 257 | 19105113 | TELLAMEKALA THARUN KUMAR |
| 258 | 19105114 | THAMBU GANESH            |
| 259 | 19105115 | THARANI.K                |
| 260 | 19105117 | THEPANRAJ.R              |
| 261 | 19106001 | AARTHI.K                 |
| 262 | 19106004 | AKASH.G                  |
| 263 | 19106005 | ANBARASU.S               |
| 264 | 19106007 | ARIVANANDHA PANDIYAN K   |
| 265 | 19106008 | ARTHI.R                  |
| 266 | 19106009 | ARUNKUMAR.R              |
| 267 | 19106011 | DEEPANRAJ.T              |
| 268 | 19106014 | DHINESH.K                |
| 269 | 19106015 | DINESH.S                 |
| 270 | 19106016 | DINESH.T                 |
| 271 | 19106017 | ELAKIYA.G                |
| 272 | 19106018 | ELUMALAI.K               |
| 273 | 19106019 | GOKULAKUMAR.G            |
| 274 | 19106021 | HEMACHANDRAN.B           |
| 275 | 19106022 | JANANI.U                 |
| 276 | 19106023 | JANAPRIYA.G              |
| 277 | 19106024 | JARISH.B                 |
| 278 | 19106025 | KANMANI.E                |
| 279 | 19106026 | KARTHIKEYAN.M            |
| 280 | 19106027 | KASINATH.R               |
| 281 | 19106028 | KEERTHANA.T              |
| 282 | 19106029 | KEERTHIGA.K              |
| 283 | 19106031 | LOGESHWARAN.G            |
| 284 | 19106032 | LOKESH.M                 |
| 285 | 19106033 | MADHESWARAN.S            |
| 286 | 19106034 | MADHUBALAN.K             |
| 287 | 19106035 | MINNALRAJA.G             |
| 288 | 19106036 | MOHAMED NAASAR.M         |
| 289 | 19106038 | MOHANRAAJ.S              |
| 290 | 19106039 | MOUNISH.M                |
| 291 | 19106040 | MUNİYAPPAN.T             |
| 292 | 19106041 | NAGULAN.R                |
| 293 | 19106042 | NANDHAKUMARAN.S          |



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| 294 | 19106043 | NARMADHA.N            |
| 295 | 19106044 | NAVEEN KUMAR.T        |
| 296 | 19106045 | NISHA.K               |
| 297 | 19106046 | NITHYA MAHIMA GRACY.C |
| 298 | 19106047 | PRAKASH.C             |
| 299 | 19106050 | PRIYA.P               |
| 300 | 19106051 | PRIYAMKUMAR.A         |
| 301 | 19106053 | RHISHIY.S             |
| 302 | 19106054 | RISHEEBA.M            |
| 303 | 19106055 | RITHIKGURU.M          |
| 304 | 19106056 | SAILESHWARAN.S        |
| 305 | 19106059 | SANTHOSH.M            |
| 306 | 19106060 | SANTHOSH.N            |
| 307 | 19106062 | SANTHOSHPANDIYAN.A    |
| 308 | 19106063 | SARAVANAKUMAR.M       |
| 309 | 19106064 | SATHISHKUMAR.R        |
| 310 | 19106065 | SATHISHKUMAR.S        |
| 311 | 19106067 | SHATHAJ.M             |
| 312 | 19106068 | SHEDHUPATHI.M         |
| 313 | 19106072 | SUBASH.N              |
| 314 | 19106073 | SURIYA.K              |
| 315 | 19106074 | SURYA.S               |
| 316 | 19106075 | TAMILARASAN.P         |
| 317 | 19106076 | VAISA.S               |
| 318 | 19106077 | VASANTH.K             |
| 319 | 19106078 | VENGATRAMAN.S         |
| 320 | 19106081 | VISHNUPRADAP.P        |
| 321 | 19107001 | ABINATH.S             |
| 322 | 19107002 | ABINESH.M             |
| 323 | 19107004 | AJAY KUMAR.R          |
| 324 | 19107005 | AKASH.P.T             |
| 325 | 19107006 | ANISHRAJ.S.B          |
| 326 | 19107007 | ANUMITHRA.S           |
| 327 | 19107008 | ARAVIND.R             |
| 328 | 19107009 | ARIVALAGAN.M          |
| 329 | 19107010 | ARUN.C                |
| 330 | 19107011 | ARUNKUMAR.N           |

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| 331 | 19107012 | BAGATH ILAKKIYAN.G |
| 332 | 19107013 | CHANDRU.S          |
| 333 | 19107015 | GOKULRAJ.P.S       |
| 334 | 19107016 | GOWDHAM.K          |
| 335 | 19107017 | GOWTHAM.M          |
| 336 | 19107018 | HARENARAYANAN.V    |
| 337 | 19107019 | HARI.R             |
| 338 | 19107022 | HARISHKUMAR.M      |
| 339 | 19107023 | JEEVA.S            |
| 340 | 19107024 | JINO.K             |
| 341 | 19107025 | KARTHIGAI SELVAM.A |
| 342 | 19107026 | KARTHIKEYAN S      |
| 343 | 19107028 | KARTHIKEYAN.T      |
| 344 | 19107029 | KAVIYARASU.T       |
| 345 | 19107030 | KISHORESHANKER.R.G |
| 346 | 19107031 | KUMARAN.K          |
| 347 | 19107034 | MADHAN KUMAR.M     |
| 348 | 19107035 | MADHAN.P           |
| 349 | 19107036 | MANIKANDAN.R       |
| 350 | 19107037 | MOHAMED RAFEEL.M   |
| 351 | 19107038 | MOHANKUMAR.K       |
| 352 | 19107040 | MOULI PRASAD.C     |
| 353 | 19107041 | MUGUNTHAN.S        |
| 354 | 19107042 | NANDHA KUMAR.P     |
| 355 | 19107044 | NISHANTH.R         |
| 356 | 19107045 | PARTHIPAN.P        |
| 357 | 19107047 | PRAKASH.D          |
| 358 | 19107048 | PRAKASH.K          |
| 359 | 19107050 | PRAVEENKUMAR.B     |
| 360 | 19107051 | PRAVEENRAJ.V       |
| 361 | 19107052 | RAJAGANAPATHI.M    |
| 362 | 19107053 | RAJAPANDIAN.S      |
| 363 | 19107054 | RAJKUMAR.K         |
| 364 | 19107055 | RAMASAMY K         |
| 365 | 19107058 | SABARINATHAN.G     |
| 366 | 19107059 | SACHIN.K           |
| 367 | 19107060 | SAKTHIVEL.A        |

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| 368 | 19107061 | SAKTHIVEL.K           |
| 369 | 19107062 | SANJAY.S              |
| 370 | 19107063 | SANTHOSHKUMAR.M       |
| 371 | 19107064 | SARAN.M               |
| 372 | 19107065 | SARAVANAN.N           |
| 373 | 19107066 | SATHEESH.S            |
| 374 | 19107068 | SEENUVASAN.K          |
| 375 | 19107070 | SHAM.K                |
| 376 | 19107071 | SIVA CHANDRU KANNAN.C |
| 377 | 19107072 | SIVA GURU NATHAN.C    |
| 378 | 19107074 | SRIDHARPRASAD.R.K     |
| 379 | 19107075 | SUBA ANAND.G          |
| 380 | 19107077 | SUJIN DHAS.R          |
| 381 | 19107078 | SUNIL.A               |
| 382 | 19107079 | SUYAMPRAKASHAM.M      |
| 383 | 19107080 | THIRUSENTHILNATHAN.D  |
| 384 | 19107081 | VEL PRABHAKARAN.C     |
| 385 | 19107082 | VENKATESAN.K          |
| 386 | 19107084 | VENKATESHWARA.G       |
| 387 | 19107085 | VIGNESH.G             |
| 388 | 19107087 | VIJAYPRIYAN.M         |
| 389 | 19107088 | VINOTH.N              |
| 390 | 19107089 | VISHNURAM.A           |
| 391 | 19108001 | ABINESH.S             |
| 392 | 19108003 | ANTONYRAJ.M           |
| 393 | 19108004 | ANUPRIYA.M            |
| 394 | 19108005 | ARJUN.O               |
| 395 | 19108006 | ASHWIN.E.A            |
| 396 | 19108007 | ASWIN SANTHOSH        |
| 397 | 19108008 | BATHINA RAKESH        |
| 398 | 19108010 | CHANDRUSTAR.M         |
| 399 | 19108011 | DEEPANMARI.V          |
| 400 | 19108012 | DHARANIVENTHAN R      |
| 401 | 19108013 | DHARUN.M              |
| 402 | 19108014 | DINAKARAN.S.P         |
| 403 | 19108015 | ELAIYAGURU.M          |
| 404 | 19108016 | EMBEATY ABHINAV       |



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| 405 | 19108019 | HARIHARAN.M                |
| 406 | 19108020 | HARIKARAN.P                |
| 407 | 19108021 | HARISH.B                   |
| 408 | 19108022 | HARISH.M                   |
| 409 | 19108023 | JAYASURYA.A                |
| 410 | 19108026 | LOGESH.S                   |
| 411 | 19108027 | MAHESH KUMAR.K             |
| 412 | 19108028 | MANIKANDAN.J               |
| 413 | 19108029 | MANOJ.M                    |
| 414 | 19108030 | MANOJKUMAR.R               |
| 415 | 19108032 | MOHANATHAN.K               |
| 416 | 19108033 | MUKESH.M                   |
| 417 | 19108034 | NAGA SIVA SANGARAPANDIAN.L |
| 418 | 19108035 | NAGAPANDIAN.G.C            |
| 419 | 19108037 | PRAVEEN.P                  |
| 420 | 19108038 | PRAVEEN KUMAR.V            |
| 421 | 19108039 | PRAVIN.P                   |
| 422 | 19108040 | RAGUL.R                    |
| 423 | 19108043 | SANTHOSH.S.T               |
| 424 | 19108044 | SUBANESAN.R                |
| 425 | 19108045 | SUBRAMANI.R                |
| 426 | 19108046 | THIRUKUMAR.S               |
| 427 | 19108047 | VENGADESH.G                |
| 428 | 19108048 | VIGNESH.K                  |
| 429 | 19108051 | VINOTH KUMAR S             |
| 430 | 19108052 | YOKESHWARAN.R              |
| 431 | 19109001 | ABHIMANYU.K.S              |
| 432 | 19109006 | ANBARASAN. V               |
| 433 | 19109007 | ANITHA.K                   |
| 434 | 19109008 | BALAJI.D                   |
| 435 | 19109009 | BASIL KURIAKOSE            |
| 436 | 19109015 | KARTHIKA.D                 |
| 437 | 19109017 | KAVIYARASAN.M              |
| 438 | 19109018 | KAVIYARASAN.S              |
| 439 | 19109020 | KEERTHANA.M                |
| 440 | 19109021 | KRISHNARAJ.K               |
| 441 | 19109022 | MAHALAKSHMI.A              |

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| 442 | 19109023 | MANOJ.S                |
| 443 | 19109035 | RITHIKA SHALINI.S      |
| 444 | 19109036 | ROHITH VIJAY           |
| 445 | 19109037 | SABARINATH.R           |
| 446 | 19109038 | SABITHA.M              |
| 447 | 19109039 | SANDHIYA.R             |
| 448 | 19109043 | SATHISH.K              |
| 449 | 19109045 | SELVARANI.D            |
| 450 | 19109047 | SHALINI.S              |
| 451 | 19109048 | SHARMADHA.R            |
| 452 | 19109049 | SIVA.S                 |
| 453 | 19109053 | TAMILARASAN.B          |
| 454 | 19109054 | TAMILARASAN.M          |
| 455 | 19109055 | THAMIZHARASAN.K        |
| 456 | 19109056 | THANGARAJ.V            |
| 457 | 19109058 | VASANTH.S              |
| 458 | 19109061 | VIJAYAN.S              |
| 459 | 19109062 | VISHAL.M               |
| 460 | 19109063 | VISHNUPRIYA.S          |
| 461 | 19110001 | ARAVINDKUMAR.S         |
| 462 | 19110004 | ATCHAYA.M              |
| 463 | 19110008 | GNANA PRIYADHARSHINI.R |
| 464 | 19110010 | GOWRISHANKAR.K         |
| 465 | 19110017 | KARTHICK.K             |
| 466 | 19110021 | LOGESH.S               |
| 467 | 19110024 | MANOJKUMAR.S           |
| 468 | 19110025 | MARIMUTHU.R            |
| 469 | 19110031 | PRIYADHARSHINI.K       |
| 470 | 19110033 | RAGAVAN.R              |
| 471 | 19201002 | AJIN.A.T               |
| 472 | 19201003 | ALEX YADHITYAN.A       |
| 473 | 19201007 | BADRINARAYANAN.A       |
| 474 | 19201010 | DHINESH KUMAR.M        |
| 475 | 19201014 | GOBINATH.P             |
| 476 | 19201015 | GOWTHAM.E              |
| 477 | 19201016 | GUNAL.K                |
| 478 | 19201017 | JAI SURIYA KUMAR.S     |

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| 479 | 19201020 | KARMILADEVI.E      |
| 480 | 19201021 | KARTHIKEYAN.R      |
| 481 | 19201022 | KAVIYARASAN.R      |
| 482 | 19201026 | MANOJ.R            |
| 483 | 19201028 | MURALI.R           |
| 484 | 19201030 | PRATHIKSHA.K       |
| 485 | 19201032 | PRAVEEN.G          |
| 486 | 19201033 | RAGUPATHI.P        |
| 487 | 19201035 | SARAN KUMAR.J      |
| 488 | 19201036 | SATHIYAPRAKASH.S   |
| 489 | 19201038 | SRIDHAR.R          |
| 490 | 19201039 | SRIRAM.T           |
| 491 | 19202001 | ALEN.A             |
| 492 | 19202002 | AMULYA.V           |
| 493 | 19202005 | ARUN.V             |
| 494 | 19202008 | CHARULATHA.R       |
| 495 | 19202009 | DHARUNKUMAR.S      |
| 496 | 19202012 | ELUMALAI.S         |
| 497 | 19202015 | GOKULAVANAN.P      |
| 498 | 19202016 | GOPINATH.S         |
| 499 | 19202017 | HARIPRASTH.P       |
| 500 | 19202019 | HERAMBHA PRASATH.S |
| 501 | 19202024 | LOGESH.R           |
| 502 | 19202025 | LOGESHWARAN.M      |
| 503 | 19202029 | MOHAMMED RIYAZ.A   |
| 504 | 19202031 | MUGUNTHAN.R        |
| 505 | 19202033 | NANDHINI.A         |
| 506 | 19202034 | NAVEEN.E           |
| 507 | 19202036 | NIVETHA S.L        |
| 508 | 19202042 | PRAVEENKUMAR.K     |
| 509 | 19202043 | PREMKUMAR.J        |
| 510 | 19202045 | RAVEENA.M          |
| 511 | 19202047 | SANJAY.R.S         |
| 512 | 19202049 | SATHISKUMAR.S      |
| 513 | 19202050 | SATHYAA.B.B.       |
| 514 | 19202052 | SIVA.P             |
| 515 | 19202053 | SNEHA.B            |



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| 516 | 19202055 | SUNIL RAJ.T        |
| 517 | 19202058 | VASANTH.M          |
| 518 | 19202060 | VENKATESH.S        |
| 519 | 19202061 | VIGNESH.S          |
| 520 | 19202063 | YOGALAKSHMI.S      |
| 521 | 19203002 | ABDULRAHEEM.M      |
| 522 | 19203003 | AKSHAY KRISHNA.A.J |
| 523 | 19203005 | ANAND.N            |
| 524 | 19203006 | BHUVANESHWARI.M    |
| 525 | 19203007 | DHANYA.K           |
| 526 | 19203010 | HARIHARAN.A.R      |
| 527 | 19203011 | IMAYAVAN.G         |
| 528 | 19203012 | JOEL.K             |
| 529 | 19203013 | KARTHICK AJAY.B    |
| 530 | 19203015 | KRISHNAVENI.M      |
| 531 | 19203016 | LOGAPRIYA.V        |
| 532 | 19203017 | MOHAMED MUFARIZ.M  |
| 533 | 19203019 | MUTHUSELVI.R       |
| 534 | 19203020 | NANDHINI.A         |
| 535 | 19203022 | NAVEENA.D          |
| 536 | 19203024 | NIFA.S             |
| 537 | 19203025 | NILAA.G.I          |
| 538 | 19203026 | PRAVEENKUMAR.V     |
| 539 | 19203028 | RAMYA.N            |
| 540 | 19203029 | SACINTHRA.A        |
| 541 | 19203031 | SARAN BABU.S       |
| 542 | 19203032 | SHINYGRACE.S       |
| 543 | 19203033 | SIVA HARISH.M      |
| 544 | 19203034 | SIVASAKTHI.S       |
| 545 | 19203036 | SOWMIYA.J.S        |
| 546 | 19203037 | SUVETHA.M          |
| 547 | 19203039 | WASIMAKRAM.A       |
| 548 | 19203040 | YASWANTH.S         |
| 549 | 19204002 | AJITHKUMAR.T       |
| 550 | 19204005 | ARUN KUMAR.J       |
| 551 | 19204008 | ELAVARASAN.S       |
| 552 | 19204009 | EVANJALINEJOICE.S  |

|     |          |                  |
|-----|----------|------------------|
| 553 | 19204012 | GOKUL.K          |
| 554 | 19204013 | GOKULAKRISHNAN.E |
| 555 | 19204017 | JASMINE.A        |
| 556 | 19204020 | MAGESHWARAN.V    |
| 557 | 19204023 | MAYILSAMY.P      |
| 558 | 19204025 | MOHAMMED IRFAN.U |
| 559 | 19204027 | MUKESH KUMAR.S   |
| 560 | 19204028 | NEMA.V           |
| 561 | 19204034 | PRIYANGA.S       |
| 562 | 19204038 | SABARINATHAN.A   |
| 563 | 19204039 | SANGAVI.S        |
| 564 | 19204042 | SATHYA.C         |
| 565 | 19204044 | SINDHUJA.P       |
| 566 | 19204046 | SNEKHA.S         |
| 567 | 19204049 | SREENIVAS.M      |
| 568 | 19204052 | SURYA.S          |
| 569 | 19204055 | VIJAY ANAND.D    |
| 570 | 19204057 | VISHNU.N         |

PRINCIPAL

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GOVERNMENT OF INDIA  
BHABHA ATOMIC RESEARCH CENTRE  
Chemical Engineering Division

Ref: ChED/2020/144

Date: 26/02/2020

**CERTIFICATE**

This is to certify that **Chandra Sekar N.** (College Reg. No. 17201008), 3<sup>rd</sup> year chemical engineering student of **Paavai Engineering College**, Tamil Nadu has successfully completed his internship in **Bhabha Atomic Research Centre**, **Mumbai** from 20<sup>th</sup> December 2020 to 20<sup>th</sup> February 2020. During the period, he worked on a project titled "Studies on dissolution of metal hydroxide in nitric acid and its extraction by alkyl phosphine oxide". His performance exceeded expectations and he was able to complete the project on time.

*Garima Pandey*  
Garima Pandey

Scientific Officer/D

**Bhabha Atomic Research Centre  
Mumbai**

Scientific Officer (D) / वैज्ञानिक अधिकारी (D)  
Process Engineering Section / प्रक्रम अभियांत्रिकी अनुभाग  
Chemical Engineering Division / रसायन अभियांत्रिकी प्रभाग  
Bhabha Atomic Research Centre / भाबा परमाणु अनुसंधान केंद्र  
Trombay, Mumbai - 85 / ट्रम्बे, मुंबई - ८५.

Telephone : 022-2559 1990



Government of India  
Bhabha Atomic Research Centre  
Chemical Engineering Division

Date: 20/02/2020

CEL-2, Trombay

**PROJECT WORK CERTIFICATE**

|                                              |                                                                                |
|----------------------------------------------|--------------------------------------------------------------------------------|
| 1. Name of Student                           | Mr. Vignesh J                                                                  |
| 2. Name of Institute                         | Paavai Engineering College, Tamilnadu                                          |
| 3. Year and Discipline                       | 3 <sup>rd</sup> Year, Chemical Engineering                                     |
| 4. Place of Training                         | Chemical Engineering Division                                                  |
| 5. Date of commencement of Training          | 20/12/2019                                                                     |
| 6. Date of completion of Training            | 20/02/2020                                                                     |
| 7. Brief details of Training                 | Investigations on the Cu-Cl Thermochemical cycle for H <sub>2</sub> production |
| 8. Valuation of student Performance          | Excellent                                                                      |
| 9. Remarks on the student's personal conduct | He actively participated throughout the project activities.                    |

(Gaurav Varshney)  
Scientific Officer-F, ChED

गौरव वार्शनी (F) विज्ञानिक अधिकारी  
रासायनिक अभियांत्रिकी विभाग  
भारतीय परमाणु अनुसंधान केंद्र  
ट्रॉम्बे, मुंबई-४०० ०८५

To,  
Head, Department of Chemical Engineering  
Paavai Engineering College, Tamilnadu